



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Agency Interest No. 3165
Activity No.: PER20060011

Mr. Richard D. Bedell
Manager, Louisiana Refining Division
Marathon Petroleum Company LLC
P. O. Box AC
Garyville, Louisiana 70051

RE: Part 70 Permit Modification, Coker Unit, Gasoline Desulfurization Unit and New Distillate Hydrotreater Unit, Louisiana Refining Division, Marathon Petroleum Company LLC, Garyville, St. John the Baptist Parish, Louisiana

Dear Mr. Bedell

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the application submitted and the approval in no way relieves the applicant of the obligation to comply with all the applicable requirements.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 22nd of February, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and date of issue cited below and the AI No. 3165 should be referenced in future correspondence regarding this facility.

Done this ____ day of _____, 2006.

Permit No.: 2640-V5

Sincerely,

Chuck Carr Brown, Ph.D.
Assistant Secretary

SGQ
c EPA Region VI

ENVIRONMENTAL SERVICES
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AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**LOUISIANA REFINING DIVISION; COKER UNIT, GASOLINE DESULFURIZATION
UNIT AND NEW DISTILLATE HYDROTREATER UNIT**
AGENCY INTEREST NO. 3165
MARATHON PETROLEUM COMPANY LLC
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

I. BACKGROUND

Marathon Petroleum Company (MPC) LLC operates a refinery on the east bank of the Mississippi River at Garyville, St. John the Baptist Parish in Louisiana. The facility was originally built by ECOL and was operated under Permit No. 313 dated May 2, 1974. Marathon acquired the refinery and operated under a modified Permit No. 837 dated October 30, 1977. Prior to obtaining a consolidated Permit No. 2580-00013-02 dated June 27, 1990, Marathon had permits 1365T, 1425T, 2128(M-2), and 2580-00013-11. Marathon Petroleum Company LLC, The Louisiana Refining Division, currently operates under Part 70 Permit Nos. 2640-V4 dated February 22, 2006; 2887-V2 dated December 16, 2005; 2891-V3 dated May 31, 2006; and 2893-V2 dated September 6, 2006. All previous permits were consolidated except for Prevention of Significant Deterioration Permit No.PSD-LA-640 dated October 21, 1999 and PSD-LA-568(M-1) dated August 26, 1998 as the emissions points affected by the PSD were transferred to other existing permits. This permit incorporates the requirements of the First Revised Consent Decree – A NSR Global Settlement (Civil Action No. 01-CV-40119-PVG) between US EPA and Marathon Ashland Petroleum date of entry November 17, 2005.

The Coker Unit, Gasoline Desulfurization Unit (GDU), the Coker Naphtha Splitter (CNS) and the New Distillate Hydrotreater (NDHT) Unit are presently operating under Permit Nos. 2640-V4 dated February 22, 2006 and PSD-LA-640 dated October 21, 1999. Permit No. 2640-V3 allowed MPC to update the SO₂ emissions from the Coker Charge Heater based on the stack test and to optimize the unit operation without any increase in permitted emissions. It was determined at that time that the previous BACT analysis is still valid. Permit No. 2640-V4 allowed MPC to increase the crude charge rate at the Crude Unit.

The Thermal Oxidizer Nos. 1, 2 and 3 (Emission Points 14-74, 70-74, and 12-00), Coker Heater (Emission Point 1-00), GDU Splitter Reboiler (Emission Point 1-04), GDU Reactor Feed Heater (Emission Point 2-04), GDU Stabilizer Reboiler (Emission Point 3-04), NDHT Reactor Charge Heater (Emission Point 1-05), NDHT Stripper Reboiler (Emission Point 2-05) were incorporated in Permit No. 2893-V0 dated August 10, 2005 from Coker Part 70 Permit No. 2640-V2

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II. ORIGIN

This review was initiated by an application and Emission Inventory Questionnaire (EIQ) dated May 1, 2006 requesting a Part 70 operating permit modification. Additional information as of September 18, 2006 was also received. This Part 70 Operating permit deals with the Coker Unit, GDU, CNS, and NDHT Unit at the facility.

III. DESCRIPTION

Marathon Petroleum Company LLC (MPC) is a highly automated petroleum refinery with a capacity to convert approximately 272,700 barrels of crude oil per day (annual average) into finished products.

Refining operations typically involve storage, separation, conversion, and blending. The following is a brief description of manufacturing process units at MPC's Louisiana Refining Division:

Atmospheric Crude Distillation: The refinery has one atmospheric crude distillation tower with naphtha splitter and light straight run (LSR) stabilizer. This tower does not have a preflash unit, and it separates the crude into its different components based upon boiling points.

Vacuum Crude Distillation: This unit distills reduced crude from the atmospheric column into vacuum gas oil. The vacuum is produced by a steam ejector/eductor system with Graham nozzles and operates at a vacuum of 10-15 mm Hg absolute. Hot well off gases are vented to the amine treater.

Fluidized Catalytic Cracking Unit (FCCU): The Exxon licensed FCCU converts gas oil into gasoline and other hydrocarbons. Hydrotreated heavy gas oil is contacted with silica-alumina catalyst at the base of the reactor riser. The oil is cracked and the reactor stream tops are diverted to a fractionator. During the cracking process, coke is deposited on the catalyst causing it to be continuously regenerated and contacted with air at approximately 1350 degrees F to burn the coke off the catalyst. The regenerator flue gas is sent to a wet scrubber, while the catalyst is recycled.

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Hydrotreating: The refinery operates four hydrotreating units (HTUs). The purpose of these units is to reduce sulfur compounds to hydrogen sulfide. In this process hydrogen is added to the hydrocarbon and fed to a fixed bed reactor. Unreacted hydrogen is flashed from the reactor and recycled. The product is fractionated to remove hydrogen sulfide and other light ends.

Reforming: A continuous catalytic reformer (reactors and catalyst) is used to generate platformate from hydrotreated heavy naphtha. The reactors are configured in parallel and series to prevent bottlenecking. The catalyst is regenerated approximately every two weeks.

Isomerization: There are two isomerization units. One is used to isomerize normal butane (C_4) and the other for pentane (C_5) and light naphtha to be used as a gasoline blending and alkylation feedstock.

Sulfur Plant: The refinery has three Claus sulfur units which are capable of recovering 750 long tons of sulfur per day. The residual gases in each unit are treated in a tail gas treater unit and a thermal oxidizer. MPC currently operates three thermal oxidizers which were previously permitted under the Coker Project (Permits No. 2640-V0 and PSD-LA-640) issued on October 21, 1999 and currently operating under Part 70 Permit No. 2640-V2 dated March 18, 2004.

Boilers and Heaters: Boilers are used in the refinery to produce steam. Heaters are used to heat raw materials/feedstocks before processing. Fuel gas is burned in the combustion units and is subject to NSPS requirements. The fuel gas recovered from the amine treatment units is mixed with natural gas and consumed in the combustion units.

Hydrofluoric Acid/Aalkylation: The refinery uses hydrofluoric acid alkylation process to react C_3 and C_4 olefins (from the FCCU) and isobutane to generate alkylate, a gasoline blending component. The feed is dried and passed through a reactor. The reactor effluent is settled to separate acid from the lighter ends. The lighter hydrocarbon is fractionated while the acid is recycled. The recovered alkylate is sent to gasoline blending and the propane and n-butane are each defluorinated over activated alumina treaters to remove fluoride.

Sulfur Removal: Various light hydrocarbon streams containing hydrogen sulfide are contacted with lean amine in absorbers. Hydrogen sulfide is absorbed into the amine and

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rich amine is regenerated and recycled. The sulfur plant produces elemental sulfur from hydrogen sulfide. The sulfur plant tail gas contains residual amounts of sulfur dioxide, which is converted to hydrogen sulfide, again removed using amine, and recycled to the sulfur plant for recovery. The refinery operates three Claus Sulfur units.

Residual upgrading: The Residual Oil Supercritical Extraction (ROSE) unit separates vacuum tower residuum into asphaltenes and deasphalted oil by using differences in the solubility of these components in a solvent, n-butane. The deasphalted oil is sent to the FCCU, while the asphaltenes are cut with a lighter stock and used as a blending component for heavy fuel oil. The ROSE unit utilization varies as the vacuum residuum may be sold commercially as asphalt without processing.

Propylene Splitter: MPC has installed and operating a propylene splitter tower located just north of the FCC Unit. The propylene stream from the existing FCC fractionator is vented to the propylene splitter tower for purification and then purified propylene is sent to the polypropylene plants via pipelines. Purified propylene is also sent to the propylene loading rack for outside sales.

Coker Unit: The Coker Unit converts heavy oil into more valuable products and feedstocks. It also produces approximately 2,850 tons per day high sulfur coke which is sold as solid fuel on the open market. It operates as described below:

Feed to the Coker Unit is pumped to a heater where the heavy oil is preheated to the desired temperature. The vapor-liquid mixture leaving the furnace enters one of the two drums where it is converted to lighter hydrocarbon vapors and petroleum coke. The unit has two coke drums to allow continuous operation. Hydrocarbon vapors from the coke drum are routed to a fractionation tower and separated into the following products: sour gas, naphtha coker distillate, and coker gas oil. Sour gas is processed and sweetened in the unit's gas concentration unit with the propane/butane routed to the HF Alkylation Unit and the methane/ethane diverted to the fuel gas system. Naphtha and distillate are piped to the Distillate Hydrotreater for sweetening into diesel fuel. The gas oil is routed to Heavy Gas Oil Hydrotreater for sweetening prior to being processed in the Fluid Catalytic Cracking Unit (FCCU).

This permit contains emissions from the Coker Unit, the Gasoline Desulfurization Unit (GDU), the Coker Naphtha Splitter (CNS) and New Distillate Hydrotreater (NDHT) Unit. MPC is proposing to expand the existing full conversion petroleum refinery by

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adding eight new process units including a 180,000 barrels per calendar day crude unit (Garyville Major Expansion (GME) Project) and will increase the total capacity of the Louisiana Refining Division to 425,000 barrels per calendar day.

In order to achieve this goal the facility will construct and operate a new Coke Pit, a Coker Heater, Coker Drums, and will utilize the existing coke handling sources for the transportation and handling of the increase in coke production. Emergency coke pad storage will be expanded to store additional coke in case of any emergencies.

Prevention of Significant Deterioration (PSD) review is required for the modification of an existing major source that results in a significant increase of regulated pollutants. Emissions increases due to the GME Project for all criteria pollutants including sulfuric acid are above the significance levels and must undergo netting analysis. The following tables show the emissions increases and the required netting analysis.

Estimated emissions increases from the GME Project including the startup/shutdown operation based on actual to potential and incremental (where no modification is done to the unit or equipment but the emissions are increasing due to the project) in tons per year is as follows:

<u>Pollutant</u>	<u>2004/2005 Average Emissions (a)</u>	<u>Post GME Project Emissions (b)</u>	<u>Incremental Emissions (c)</u>	<u>Total Emissions Increase</u>	<u>Change</u>
PM ₁₀	64.51	285.03	0.14	285.17	220.66
SO ₂	31.39	597.05	0.08	597.13	565.74
NO _x	254.41	923.41	1.10	924.51	670.10
CO	263.54	1589.80	1.46	1591.26	1327.72
VOC	238.38	901.17	32.34	933.51	695.13
H ₂ SO ₄	16.17	37.22	0.00	37.22	21.05
H ₂ S	22.74	28.98	0.00	28.98	6.24

$$\text{Change} = \{(b+c) - a\}$$

For the netting analysis a contemporaneous period will have to be established. The construction on the GME Project is expected to start in July 2007. Therefore, the

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beginning of the PSD contemporaneous period will be five years prior to July 2007. The GME Project is expected to startup in September 2009. Therefore, all emission changes from July 2002 through September 2009 will be accounted for in the contemporaneous period.

A breakdown of the emissions based on new and existing equipment, contemporaneous period, and the comparison to the PSD significance level in tons per year is as follows:

<u>Pollutant</u>	<u>New Equipment</u>	<u>Existing Equipment</u>	<u>Contemporaneous Period</u>	<u>Total Increase</u>	<u>PSD De Minimis</u>	<u>Netting Analysis</u>
PM ₁₀	173.72	46.93	+ 20.42	241.07	15	Yes
SO ₂	419.74	146.01	+ 146.51	712.25	40	Yes
NO _x	569.71	100.39	+ 29.18	699.28	40	Yes
CO	940.80	386.92	- 7.93	1319.79	100	Yes
VOC	556.67	138.48	+ 138.87	834.02	40	Yes
H ₂ SO ₄	Neg.	21.05	0.00	21.05	7	Yes
H ₂ S	2.81	3.42	-	6.24	10	No

Under PSD regulations a Best Available Control Technology (BACT) analysis is required for the units or equipment that is physically modified or is new and emits pollutants that are increasing above the significance levels. In this case BACT is required for all the new equipment installed under the GME Project.

Particulate matter is the pollutant of concern from coke handling operations due to the GME Project. The use of water sprays to maintain a moisture content of 8-12 percent as well as enclosures during the coke handling process is proposed as BACT.

Permitted emissions from the Coker Unit, GDU, CNS, NDHT, and Sulfur Plants in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	4.28	7.86	+ 3.58
SO ₂	0.58	0.14	- 0.44

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<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
NO _x	1.50	1.50	-
CO	0.32	0.32	-
VOC	87.59	85.18	- 2.41

IV. TYPE OF REVIEW

This permit was reviewed for compliance with Louisiana Air Quality Regulations and New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does not apply. Also based on the Consent Decree – A NSR Global Settlement (Civil No. 01-40119) between US EPA and Marathon Ashland Petroleum date of entry August 28, 2001.

This facility is part of a major source of toxic air pollutants. The Air Toxic Compliance Plan No. 92050 was approved April 13, 1995.

V. CREDIBLE EVIDENCE

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. PUBLIC NOTICE

A notice requesting public comment on the permit was published in The Advocate, Baton Rouge, Louisiana and The L'Observateur, St. John the Baptist Parish, Louisiana, on ***** **, 2006. Written and oral comments received during the comment period from the general public and organizations will be considered before issuing the permit. Copies

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of the public notice were mailed out to individuals on the mailing list maintained by Office of Environmental Services on ***** **, 2006. The proposed permit was sent to EPA via e-mail on ***** **, 2006.

VII. EFFECTS ON AMBIENT AIR

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard (NAAQS)
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See Permit No. 3039-V0 for Modeling analysis due to GME Project

VIII. GENERAL CONDITION XVII ACTIVITIES

Activity	Frequency	VOC Emissions		PM Emissions	
		Lb/Activity	TPY	Lb/Activity	TPY
Coker Unit					
Catalyst Changeouts	Once/2-5 yrs			70	<0.01
Changing Filters	18 events/yr	27.00	0.24		
Equipment Cleaning	3,000/yr	0.62	0.92		
Pipe Cleaning	Twice/5 yrs	131.70	0.03		
Strainer Cleaning	416 events/yr	9.24	1.92		
Coker Venting	515 events/yr		<0.01		
Compressor Maintenance	Once/5 yrs	4.83	<0.01		
Filter Replacement	8 events/yr	4.62	0.02		
Knockout Drum Drainage	1-7 events/wk	Neg.	Neg.		
Instrument Maintenance	30 events/yr	2.03	0.03		
Miscellaneous Equipment Preparation	5 events/yr	217.15	0.54		
Pipe Cleaning with Nitrogen	Twice/5 yrs	17.46	<0.01		
Opening Off-line Vessels	6 events/yr	426.70	1.28		
Pump Maintenance	10 events/yr	6.16	0.03		
Solids Removal from Sumps	Twice/5 yrs	7.93	<0.01		
Valve Maintenance	10 events/yr	1.88	<0.01		

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Activity	Frequency	VOC Emissions		PM Emissions	
		Lb/Activity	TPY	Lb/Activity	TPY
Gasoline Desulfurization Unit					
Catalyst Changeouts	Once/2-5 yrs	-	-	70	<0.01
Changing Filters	18 events/yr	27.00	0.24	-	-
Equipment Cleaning	3,000/yr	0.62	0.92	-	-
Pipe Cleaning	Twice/5 yrs	131.70	0.03	-	-
Compressor Maintenance	Once/5 yrs	4.83	<0.01	-	-
Instrument Maintenance	20 events/yr	2.03	0.02	-	-
Miscellaneous Equipment Preparation	5 events/yr	217.15	0.54	-	-
Pipe Cleaning with Nitrogen	Twice/5 yrs	17.46	<0.01	-	-
Opening Off-line Vessels	6 events/yr	426.70	1.28	-	-
Pump Maintenance	10 events/yr	6.16	0.03	-	-
Solids Removal from Sumps	Twice/5 yrs	7.93	<0.01	-	-
Valve Maintenance	10 events/yr	1.88	<0.01	-	-
NDHT Unit					
Catalyst Changeouts	2 events/yr	-	-	70	0.02
Changing Filters	18 events/yr	34.50	0.31	-	-
Equipment Cleaning	3,000/yr	0.79	1.18	-	-
Pipe Cleaning	Once/2 yr	141.21	0.03	-	-
Compressor Maintenance	Once/5 yrs	5.18	<0.01	-	-
Instrument Maintenance	20 events/yr	2.60	0.03	-	-
Miscellaneous Equipment Preparation	5 events/yr	277.7	0.69	-	-
Pipe Cleaning with Nitrogen	Twice/5 yrs	18.73	<0.01	-	-
Opening Off-line Vessels	6 events/yr	457.53	1.37	-	-
Pump Maintenance	10 events/yr	7.88	0.04	-	-
Solids Removal from Sumps	Twice/5 yrs	7.93	<0.01	-	-
Valve Maintenance	10 events/yr	2.41	0.01	-	-

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GENERAL CONDITION XVII ACTIVITIES (CONTD.)

Coker Unit Decoking Operations	1 event/yr
PM ₁₀	0.70 tons/yr
SO ₂	0.54 tons/yr
CO	3.78 tons/yr
Coker Unit MDEA Reclaiming	1 event/yr
PM ₁₀	<0.01 tons/yr
SO ₂	<0.01 tons/yr
NO _x	0.09 tons/yr
CO	0.08 tons/yr
VOC	<0.01 tons/yr
Coker Unit Planned Startups and Shutdowns	2 events/yr
SO ₂	2.07 tons/yr
NO _x	0.04 tons/yr
CO	<0.01 tons/yr
VOC	0.11 tons/yr
Sulfur Plant Planned Startup and Shutdown	1 event/yr each
Reactor Bed Heat Soaking	
SO ₂	2.18 tons/yr
Flaring	
PM ₁₀	0.01 tons/yr
SO ₂	<0.01 tons/yr
NO _x	0.15 tons/yr
CO	0.12 tons/yr
VOC	0.01 tons/yr
Gasoline Desulfurization Unit Planned Startups and Shutdowns	2 events/yr
SO ₂	0.45 tons/yr
NO _x	0.01 tons/yr
CO	<0.01 tons/yr
VOC	0.01 tons/yr

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Sulfur Recovery Unit Startups and Shutdowns	2 events/yr
SO ₂	0.31 tons/yr
NO _X	<0.01 tons/yr
Sour Water Stripper Planned Startups and Shutdowns	2 events/yr
SO ₂	<0.01 tons/yr
NO _X	<0.01 tons/yr
NDHT Unit Planned Startups and Shutdowns	2 events/yr
SO ₂	2.29 tons/yr
NO _X	<0.01 tons/yr
CO	<0.01 tons/yr
VOC	0.01 tons/yr

IX. INSIGNIFICANT ACTIVITIES

ID No.:	Description	Citation
-	612 gallon Diesel Storage Tank	LAC 33:III.501.B.5.A.3
-	Laboratory Equipment/Vents	LAC 33:III.501.B.5.A.6
-	Drum Washing Operations	LAC 33:III.501.B.5.A.7
-	Analyzer Vent Emissions	LAC 33:III.501.B.5.A.9
-	MDEA Storage Tank	LAC 33:III.501.B.5.A.3
-	300 gal Emulsifier/Degasser	LAC 33:III.501.B.5.A.3
-	2000 gal 93% Sulfuric Acid Tank	LAC 33:III.501.B.5.A.3
-	Two Cleaning Liquid Storage Tank	LAC 33:III.501.B.5.A.3
-	Coker Quench Water Tank	LAC 33:III.501.B.5.A.3

PART 70 SPECIFIC CONDITIONS

**LOUISIANA REFINING DIVISION; COKER UNIT, GASOLINE DESULFURIZATION
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MARATHON ASHLAND PETROLEUM LLC
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

The permit is issued under the following conditions:

The permittee shall comply with all applicable requirements listed in the attached tables. Failure to comply with any of the federal applicable requirements or compliance monitoring devices, activities, or methods listed in Tables 1, 2, 3, and 4 will represent a violation of this permit.

1. Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the fugitive emission monitoring programs being streamlined, as indicated in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one of the applicable fugitive emissions programs.
 - a. Streamlined program shall be applicable to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size or component available in any of the programs being streamlined.
 - b. Leak definitions and monitoring frequency shall be used based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall define as once every four quarters. Some allowance may be made in the first year on the streamlined program in order to allow for transition from existing monitoring schedules.
 - c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on August 15 and February 15, to cover the periods from January 1 through June 30, and July 1 through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

PART 70 SPECIFIC CONDITIONS

**LOUISIANA REFINING DIVISION; COKER UNIT, GASOLINE DESULFURIZATION
UNIT AND NEW DISTILLATE HYDROTREATER UNIT
AGENCY INTEREST NO. 3165
MARATHON ASHLAND PETROLEUM LLC
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

<u>Unit or Plant Site</u>	<u>Programs Streamlined</u>	<u>Stream Applicability</u>	<u>Overall Most Stringent Program</u>
7-Rose Unit 15-HGO Hydrotreater Unit 21-Tail Gas Unit 32-Tail Gas Unit	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG
8-Hydrotreater 9-Penex 18-LSR Merox Unit 27-HF Alkylation	NSPS Subpart GGG NESHAP Subpart CC LAC 33:III.2121	10% VOC 5% VOHAP 10% VOC	NESHAP Subpart CC
10-Crude Unit 11-Naphtha Hydrotreater Unit 12-Platforming Unit 41-Intermediate Product Storage 50-Marine Vapor Combuster	LAC 33:III.2121 LAC 33:III.Chapter 51 (LA Refinery MACT) NESHAP Subpart CC	10% VOC 5% Air Toxic (Class I&II) 5% VOHAP	LA Refinery MACT
14-Distillation Hydrotreater Unit 19-Amine/Sour Water Stripper 24-Sat. Butane Merox Unit 28-Butane Isomerization 43-Fuel Gas system Unit 65-Truck and Rail Car Loading Unit	LAC 33:III.2121	10% VOC	LAC 33:III.2121
16-FCC Gas Merox 25-FCC Unit 26-FCC Gas Con	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% Air Toxic 5% VOHAP	LA Refinery MACT
22-Saturates Gas Plant	NESHAP Subpart CC LAC 33:III.2121	5% VOHAP 10% VOC	NESHAP Subpart CC
5-Coker Unit	NSPS Subpart GGG NESHAP Subpart CC	10% VOC 5% VOHAP	LA Refinery MACT

PART 70 SPECIFIC CONDITIONS

**LOUISIANA REFINING DIVISION; COKER UNIT, GASOLINE DESULFURIZATION
UNIT AND NEW DISTILLATE HYDROTREATER UNIT
AGENCY INTEREST NO. 3165
MARATHON ASHLAND PETROLEUM LLC
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

	LAC 33:III.Chapter 51 LAC 33:III.2121	5% Air Toxic 10% VOC	
<u>Unit or Plant Site</u>	<u>Programs Streamlined</u>	<u>Stream Applicability</u>	<u>Overall Most Stringent Program</u>
55-Gasoline Desulfurization Unit	NSPS Subpart GGG NESHAP Subpart CC LAC 33:III.2121 LAC 33:III.Chapter 51	10% VOC 5% VOHAP 10% VOC 5% Air Toxic (Class I & II)	LA Refinery MACT
56-NDHT Unit	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG
New Amine Unit (15-00)	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG
New Sour Water Stripper Unit (16-00)	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOUISIANA REFINING DIVISION; COKER UNIT, GASOLINE DESULFURIZATION UNIT AND NEW DISTILLATE HYDROTREATER UNIT
AGENCY INTEREST NO. 3165
MARATHON ASHLAND PETROLEUM LLC
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																
		5	9	11	13	15	2103	2104	2107	2111	2115	2121	22	2301	29	51	52	56
Permit Wide		1	1	1	1	1					1	1				1	1	1
ARE006	3-00, Crusher Load-In						1											1
ARE007	2-00, Coker Stockpile						1											1
ARE008	4-00, Crushing						1											1
ARE009	5-00, Container Drop-Crusher to Conveyor						1											1
ARE010	9-00, Coker Haul Road						1											
EQT028	6-00, Conveyor						1											1
EQT029	7-00, Silo Loading						1											1
EQT030	8-00, Railcar/truck/Barge Loading of Coke						1											1
EQT037	4-04, Clean Fuels Cooling Tower																	
EQT038	5-04, Clean Fuels Emergency Generator						1	1	1									
FUG006	10-00, Coker Unit Fugitives												1					1
FUG007	11-00, Cooling Water Tower 14-00, Fugitives																	
FUG008	14-00, Sulfur Plant No. 3 Fugitives																	1
FUG009	15-00, New Amine Unit Fugitives																	
FUG010	16-00, New Sour Water Stripper Unit Fugitives												1					1
FUG012	Unit 55, GDU Unit 55 Fugitives												1					1
FUG048	Unit 56, NDHT Unit 56 Fugitives												1					1

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**LOUISIANA REFINING DIVISION; COKER UNIT, GASOLINE DESULFURIZATION UNIT AND NEW DISTILLATE HYDROTREATER UNIT
AGENCY INTEREST NO. 3165
MARATHON ASHLAND PETROLEUM LLC
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter																	
		5	9	11	13	15	2103	2104	2107	2111	2115	2121	22	2301	29	51	52	56	59
KEY TO MATRIX																			
1	- The regulations have applicable requirements which apply to this particular emission source.																		
	-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.																		
2	- The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.																		
3	- The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.																		
	Blank – The regulations clearly do not apply to this type of emission source.																		

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOUISIANA REFINING DIVISION; COKER UNIT, GASOLINE DESULFURIZATION UNIT AND NEW DISTILLATE HYDROTREATER UNIT

AGENCY INTEREST NO. 3165

MARATHON ASHLAND PETROLEUM LLC

GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR							
		A	Db	GGG	QQQ	J	A	FF	V	A	F	G	CC	Q	S2	64	68	82
Permit Wide																		
ARE 6	3-00, Crusher Load-In	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ARE 7	2-00, Coker Stockpile																	
ARE 8	4-00, Crushing																	
ARE 9	5-00, Container Drop-Crusher to Conveyor																	
ARE 10	9-00, Coker Haul Road																	
EQT 28	6-00, Conveyor																	
EQT 29	7-00, Silo Loading																	
EQT 30	8-00, Railcar/truck/Barge Loading of Coke																	
EQT 37	4-04, Clean Fuels Cooling Tower																	
EQT 38	5-04, Clean Fuels Emergency Generator																	
FUG 6	10-00, Coker Unit Fugitives																	
FUG 7	11-00, Cooling Water Tower 14-00, Fugitives																	
FUG 8	14-00, Sulfur Plant No. 3 Fugitives																	
FUG 9	15-00, New Amine Unit Fugitives																	
FUG 10	16-00, New Sour Water Stripper Unit Fugitives																	
FUG 12	Unit 55, GDU Unit 55 Fugitives																	
FUG048	Unit 56, NDHT Unit 56 Fugitives																	

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOUISIANA REFINING DIVISION; COKER UNIT, GASOLINE DESULFURIZATION UNIT AND NEW DISTILLATE HYDROTREATER UNIT

AGENCY INTEREST NO. 3165

MARATHON ASHLAND PETROLEUM LLC

GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR							
		A	Db	GGG	QQQ	J	A	FF	V	A	F	G	CC	Q	S2	64	68	82
KEY TO MATRIX																		
1	- The regulations have applicable requirements which apply to this particular emission source.																	
	-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.																	
2	- The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.																	
3	- The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.																	
	Blank - The regulations clearly do not apply to this type of emission source.																	

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOUISIANA REFINING DIVISION; COKER UNIT, GASOLINE DESULFURIZATION UNIT AND NEW DISTILLATE HYDROTREATER UNIT

AGENCY INTEREST NO. 3165

**MARATHON ASHLAND PETROLEUM LLC
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
EQT 37 and FUG 7	Cooling Water Tower Fugitives	Exempt	40 CFR 63.400	Does not use chromium containing corrosion inhibitors

The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

40 CFR PART 70 GENERAL CONDITIONS

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]

I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit. [Reference 40 CFR 70.6(a)(3)(ii)(B)]

J. Records of required monitoring shall include the following:

1. the date, place as defined in the permit, and time of sampling or measurements;
2. the date(s) analyses were performed;
3. the company or entity that performed the analyses;
4. the analytical techniques or methods used;
5. the results of such analyses; and
6. the operating conditions as existing at the time of sampling or measurement.

[Reference 40 CFR 70.6(a)(3)(ii)(A)]

K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]

L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of

40 CFR PART 70 GENERAL CONDITIONS

Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

40 CFR PART 70 GENERAL CONDITIONS

- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;

40 CFR PART 70 GENERAL CONDITIONS

2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
- The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSIONS PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated May 1, 2006 as well as additional information as of September 23, 2006.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

LOUISIANA AIR EMISSIONS PERMIT

GENERAL CONDITIONS

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
 - A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

LOUISIANA AIR EMISSIONS PERMIT GENERAL CONDITIONS

- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

LOUISIANA AIR EMISSIONS PERMIT GENERAL CONDITIONS

- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

LOUISIANA AIR EMISSIONS PERMIT
GENERAL CONDITIONS

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 3165 Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060011

Permit Number: 2640-V5

Air - Title V Regular Permit Minor Mod

Also Known As:	ID	Name	User Group	Start Date
	2580-00013	Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery	Air Permitting	09-01-2005
	2580-0013	Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery	CDS Number	06-25-1999
	25-1410539	Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery	Emission Inventory	03-03-2004
	LAD081999724	Federal Tax ID	Federal Tax ID	11-21-1999
	PMT/PC/CA	Marathon Ashland Petroleum LLC	Hazardous Waste Notification	01-12-1999
	LA0045683	GPRAs Baselines	Hazardous Waste Permitting	10-01-1997
	LAR10C457	WPC File Number	LPDES Permit #	05-22-2003
	WP0399	LPDES Permit #	LPDES Permit #	08-08-2004
	LA-3239-L01A	WPC State Permit Number	LWDPS Permit #	06-25-2003
	7408	Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
	GD-095-0981	Radioactive Material License	Radiation License Number	07-30-2003
	19415	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
	22003	Site ID #	Solid Waste Facility No.	04-30-2001
	36580	Marathon Ashland Petroleum Co - Garyville Refinery	TEMPO Merge	04-01-2002
	38855	Marathon Ashland Petroleum LLC	TEMPO Merge	04-16-2002
	45582	Marathon Ashland Petroleum LLC - LA Refining Division	TEMPO Merge	12-09-2001
	72691	Marathon Ashland Petroleum LLC	TEMPO Merge	04-16-2002
	2580-0013	Marathon Oil Garyville Refinery	TEMPO Merge	04-16-2002
	70051-MRTTHNHWY61	Louisiana Refining Division	TEMPO Merge	04-07-2002
	1577	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991
	48-014943	TRI #	Toxic Release Inventory	07-29-2004
	48006222	UST Case History Case Number	Underground Storage Tanks	11-21-1999
		UST Facility ID Number	Underground Storage Tanks	05-27-1993
		UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-12-2002
			Main Phone:	9855352241
			Mailing Address:	
			Location of Front Gate:	
			Related People:	

General Information

AI ID: 3165 Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060011

Permit Number: 2640-V5

Air - Title V Regular Permit Minor Mod

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Wally Dows	PO Box AC Garyville, LA 70051	9855352241 (WP)	Accident Prevention Contact for
	Wally Dows	PO Box AC Garyville, LA 70051	9855351777 (WF)	Accident Prevention Contact for
	Wally Dows	PO Box AC Garyville, LA 70051	9855352241 (WP)	Accident Prevention Billing Party for
	Wally Dows	PO Box AC Garyville, LA 70051	9855351777 (WF)	Accident Prevention Billing Party for
	C. Blake Harmon	PO Box AC Garyville, LA 70051	5045352241 (WP)	Underground Storage Tank Contact for
	Terry Persaud	PO Box AC Garyville, LA 70051		Water Billing Party for
	Kent Veron	PO Box AC Garyville, LA 70051		Solid Waste Billing Party for
	Charles Whitman	PO Box AC Garyville, LA 70051	9855357302 (WP)	Radiation Safety Officer for
	Charles Whitman	PO Box AC Garyville, LA 70051	9855357235 (WF)	Radiation Safety Officer for
	Charles Whitman	PO Box AC Garyville, LA 70051	5044735520 (CP)	Radiation Safety Officer for
	Charles Whitman	PO Box AC Garyville, LA 70051	9855357235 (WF)	Radiation Registration Billing Party for
	Charles Whitman	PO Box AC Garyville, LA 70051	CEWHITMAN@MAF	Radiation Registration Billing Party for
	Charles Whitman	PO Box AC Garyville, LA 70051	CEWHITMAN@MAF	Radiation Registration Billing Party for
	Charles Whitman	PO Box AC Garyville, LA 70051	5044735520 (CP)	Radiation License Billing Party for
	Charles Whitman	PO Box AC Garyville, LA 70051	9855357235 (WF)	Radiation License Billing Party for
	Charles Whitman	PO Box AC Garyville, LA 70051	9855357302 (WP)	Radiation License Billing Party for
	Charles Whitman	PO Box AC Garyville, LA 70051	5044735520 (CP)	Radiation License Billing Party for
	Charles Whitman	PO Box AC Garyville, LA 70051	9855357302 (WP)	Radiation Registration Billing Party for
	Charles Whitman	PO Box AC Garyville, LA 70051	CEWHITMAN@MAF	Radiation Safety Officer for
	Charles Whitman	PO Box AC Garyville, LA 70051	9855357302 (WP)	Radiation Contact For
	Charles Whitman	PO Box AC Garyville, LA 70051	9855357235 (WF)	Radiation Contact For
	Charles Whitman	PO Box AC Garyville, LA 70051	5044735520 (CP)	Radiation Contact For
	Charles Whitman	PO Box AC Garyville, LA 70051	CEWHITMAN@MAF	Radiation Contact For
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Marathon Ashland Pipe Line LLC	539 S Main St Findley, OH 45840	4194222121 (WP)	Owns
SIC Codes:	2821, Plastics materials and resins 2911, Petroleum refining			

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060011

Permit Number: 2640-V5

Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
ARE006	3-00, Crusher Load-In		1000 tons/hr	5700 tons/day	of coke (30 day rolling average)	8760 hr/yr (All Year)
ARE007	2-00, Coker Stockpile		1000 tons/hr	5700 tons/day	of coke (30 day rolling average)	8760 hr/yr (All Year)
ARE008	4-00, Crushing		1000 tons/hr	5700 tons/day	of coke (30 day rolling average)	8760 hr/yr (All Year)
ARE009	5-00, Container Drop-Crusher to Conveyor		1000 tons/hr	5700 tons/day		8760 hr/yr (All Year)
ARE010	9-00, Coker Haul Road		1000 tons/hr	5700 tons/day		8760 hr/yr (All Year)
EQT028	6-00, Conveyor		1000 tons/hr	5700 tons/day		8760 hr/yr (All Year)
EQT029	7-00, Silo Loading		1000 tons/hr	5700 tons/day		8760 hr/yr (All Year)
EQT030	8-00, Railcar/Truck/Barge Loading of Coke		1000 tons/hr	5700 tons/day		8760 hr/yr (All Year)
EQT037	4-04 Clean Fuels Cooling Tower		1000 tons/hr	5700 tons/day		8760 hr/yr (All Year)
EQT038	5-04, Clean Fuels Emergency Generator		1200 tons/hr	5700 tons/day		8760 hr/yr (All Year)
FUG006	10-00 Coker Unit Fugitives		18750 gallons/min	15000 gallons/min		208 hrs/yr (All Year)
FUG007	11-00, Coker Water Tower Fugitives		350 kW			8760 hr/yr (All Year)
FUG008	14-00, Sulfur Plant No. 3 Fugitives					8760 hr/yr (All Year)
FUG009	15-00, New Amine Unit Fugitives					8760 hr/yr (All Year)
FUG010	16-00, New Sour Water Stripper Unit Fugitives					8760 hr/yr (All Year)
FUG012	Unit 55 Fug., GDU Fugitives					8760 hr/yr (All Year)
FUG048	Unit 56 Fug., New Distillate Hydrotreater Fugitives					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP026	Coker-GDU-NDHT Units	ARE6 3-00, Crusher Load-In
GRP026	Coker-GDU-NDHT Units	ARE7 2-00, Coker Stockpile
GRP026	Coker-GDU-NDHT Units	ARE8 4-00, Crushing
GRP026	Coker-GDU-NDHT Units	ARE9 5-00, Container Drop-Crusher to Conveyor
GRP026	Coker-GDU-NDHT Units	ARE10 9-00, Coker Haul Road
GRP026	Coker-GDU-NDHT Units	EQT28 6-00, Conveyor
GRP026	Coker-GDU-NDHT Units	EQT29 7-00, Silo Loading
GRP026	Coker-GDU-NDHT Units	EQT30 8-00, Railcar/Truck/Barge Loading of Coke
GRP026	Coker-GDU-NDHT Units	EQT37 4-04 Clean Fuels Cooling Tower
GRP026	Coker-GDU-NDHT Units	EQT38 5-04, Clean Fuels Emergency Generator
GRP026	Coker-GDU-NDHT Units	FUG6 10-00 Coker Unit Fugitives
GRP026	Coker-GDU-NDHT Units	FUG7 11-00, Coker Water Tower Fugitives
GRP026	Coker-GDU-NDHT Units	FUG8 14-00, Sulfur Plant No. 3 Fugitives
GRP026	Coker-GDU-NDHT Units	FUG9 15-00, New Amine Unit Fugitives
GRP026	Coker-GDU-NDHT Units	FUG10 16-00, New Sour Water Stripper Unit Fugitives
GRP026	Coker-GDU-NDHT Units	FUG12 Unit 55 Fug., GDU Fugitives

INVENTORIES

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060011

Permit Number: 2640-V5

Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP026	Coker-GDU-NDHT Units	FUG48 Unit 56 Fug., New Distillate Hydroreater Fugitives

Relationships:

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT038	364	2980	.5		5	865

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
AI3165	1	1,000 BBL/Day	0720 - Petroleum Refining (Rated Capacity) 1D14 - Level or density gauges

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060011

Permit Number: 2640-V5

Air - Title V Regular Permit Minor Mod

All phases

Subject Item	PM ₁₀ Avg lb/hr	Max lb/hr	Tons/Year	SO ₂ Avg lb/hr	Max lb/hr	Tons/Year	NOx Avg lb/hr	Max lb/hr	Tons/Year	CO Avg lb/hr	Max lb/hr	Tons/Year	VOC
ARE 006 3-00	0.01	0.03	0.03							<	0.01	0.01	0.01
ARE 007 2-00	0.01	0.04	0.07							<	0.01	0.01	0.01
ARE 008 4-00	0.04	0.18	0.19							0.01	0.04	0.04	
ARE 009 5-00	0.01	0.03	0.03							<	0.01	0.01	0.01
ARE 010 9-00	0.99	4.17	4.33										
EQT 028 6-00	0.01	0.03	0.03							0.01	0.05	0.05	
EQT 029 7-00	0.01	0.03	0.03							<	0.01	0.01	0.01
EQT 030 8-00	0.01	0.04	0.03							<	0.01	0.01	0.01
EQT 037 4-04	0.09	0.11	0.39							0.63	0.79	2.76	
EQT 038 5-04	1.03	1.03	0.10	0.96	0.96	0.10	14.50	14.50	3.10	3.10	0.32	1.16	1.16
FUG 006 10-00												9.78	11.73
FUG 007 11-00	0.60	0.75	2.63									0.84	1.05
FUG 008 14-00													
FUG 009 15-00												0.06	0.07
FUG 010 16-00												0.23	0.28
FUG 012 Unit 55 Fug.												4.97	4.97
FUG 048 Unit 56 Fug.												2.88	2.88
													12.60

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060011

Permit Number: 2640-V5

Air - Title V Regular Permit Minor Mod

All phases

Permit Phase Totals:

PM10: 7.86 tons/yr

SO2: 0.14 tons/yr

NOx: 1.50 tons/yr

CO: 0.32 tons/yr

VOC: 85.18 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060011

Permit Number: 2640-V5

Air - Title V Regular Permit Minor Mod

All phases

2,2,4-Trimethylpentane		Ammonia		Benzene		Ethyl benzene		Hydrogen sulfide				
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 006 3-00												
ARE 007 2-00												
ARE 008 4-00												
ARE 009 5-00												
EQT 028 6-00												
EQT 029 7-00												
EQT 030 8-00												
EQT 037 4-04	0.08	0.10	0.35			0.01	0.01	0.04	0.01	0.01	0.04	
FUG 006 10-00						0.02	0.02	0.08	0.07	0.09	0.32	
FUG 007 11-00						0.002	0.003	0.01	0.01	0.04		
FUG 008 14-00				0.03	0.04	0.14				0.08	0.09	0.34
FUG 009 15-00										0.10	0.12	0.43
FUG 010 16-00				0.10	0.12	0.45	<	0.01	<	0.01	0.01	0.11
FUG 012 Unit 55 Fug.	0.38	0.38	1.67			0.05	0.05	0.20		<	0.01	<
FUG 048 Unit 56 Fug.						<	0.01	<	0.01	<	0.01	0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060011

Permit Number: 2640-V5

Air - Title V Regular Permit Minor Mod

All phases

Subject Item	Nickel (and compounds)			Toluene			Xylene (mixed isomers)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 006 3-00	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01						
ARE 007 2-00	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01						
ARE 008 4-00	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01						
ARE 009 5-00	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01						
EQT 028 6-00	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01						
EQT 029 7-00	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01						
EQT 030 8-00	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01						
EQT 037 4-04				0.04	0.05	0.16	0.04	0.05	0.18	< 0.01	< 0.01	0.02
FUG 006 10-00				0.20	0.24	0.87	0.24	0.29	1.07	0.08	0.09	0.34
FUG 007 11-00				0.02	0.03	0.09	0.03	0.03	0.12	0.01	0.01	0.04
FUG 008 14-00												
FUG 009 15-00												
FUG 010 16-00				0.01	0.01	0.04	0.01	0.01	0.05	< 0.01	0.01	0.02
FUG 012 Unit 55 Fug.				0.17	0.17	0.74	0.18	0.18	0.79	0.03	0.03	0.13
FUG 048 Unit 56 Fug	< 0.01	< 0.01	< 0.01	0.01	0.01	0.01	0.01	0.01	0.03			

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

2,2,4-Trimethylpentane: 2.02 tons/yr

Ammonia: 0.59 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060011

Permit Number: 2640-V5

Air - Title V Regular Permit Minor Mod

All phases

Benzene: 0.35 tons/yr
Ethyl benzene: 0.42 tons/yr
Hydrogen sulfide: 1.17 tons/yr
n-Hexane: 0.55 tons/yr
Nickel (and compounds): <0.01 tons/yr
Toluene: 1.91 tons/yr
Xylene (mixed isomers): 2.24 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060011

Permit Number: 2640-V5

Air - Title V Regular Permit Minor Mod

ARE006 3-00, Crusher Load-In

- 1 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [PSD-LA-719]. [LAC 33:III.1305, LAC 33:III.509, 40 CFR 52.21]
- 2 Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. No additional controls are required. [LAC 33:III.Chapter 51]

ARE007 2-00, Coker Stockpile

- 3 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [PSD-LA-719]. [LAC 33:III.1305, LAC 33:III.509, 40 CFR 52.21]
- 4 Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. No additional controls are required. [LAC 33:III.Chapter 51]

ARE008 4-00, Crushing

- 5 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [PSD-LA-719]. [LAC 33:III.1305, LAC 33:III.509, 40 CFR 52.21]
- 6 Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. No additional controls are required. [LAC 33:III.Chapter 51]

ARE009 5-00, Container Drop-Crusher to Conveyor

- 7 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [PSD-LA-719]. [LAC 33:III.1305, LAC 33:III.509, 40 CFR 52.21]
- 8 Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. No additional controls are required. [LAC 33:III.Chapter 51]

ARE010 9-00, Coker Haul Road

- 9 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [PSD-LA-719]. [LAC 33:III.1305, LAC 33:III.509, 40 CFR 52.21]

EQT028 6-00, Conveyor

- 10 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [PSD-LA-719]. [LAC 33:III.1305, LAC 33:III.509, 40 CFR 52.21]
- 11 Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. No additional controls are required. [LAC 33:III.Chapter 51]

EQT029 7-00, Silo Loading

- 12 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [PSD-LA-719]. [LAC 33:III.1305, LAC 33:III.509, 40 CFR 52.21]
- 13 Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. No additional controls are required. [LAC 33:III.Chapter 51]

EQT030 8-00, Railcar/Truck/Barge Loading of Coke

- 14 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [PSD-LA-719]. [LAC 33:III.1305, LAC 33:III.509, 40 CFR 52.21]

SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060011

Permit Number: 2640-V5

Air - Title V Regular Permit Minor Mod

EQT030 8-00, Railcar/Truck/Barge Loading of Coke

15 Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. No additional controls are required. [LAC 33:III.Chapter 51]

EQT038 5-04, Clean Fuels Emergency Generator

- 16 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
17 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

18 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

- 19 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

FUG006 10-00 Coker Unit Fugitives

- 20 Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. Compliance with LA Refinery MACT Determination of July 26, 1994 under LAC 33:III.5109.A which is considered compliance with 40 CFR 63 Subpart CC, 40 CFR 60 Subpart GGG and LAC 33:III.2121. [PSD-LA-719]. [40 CFR 60.590, 40 CFR 63.640, LAC 33:III.2121]

21 Shall comply with all the applicable requirements of 40 CFR 60 Subpart QQQ. [PSD-LA-719]. [40 CFR 60.692(1-7)]

FUG008 14-00, Sulfur Plant No. 3 Fugitives

22 Shall comply with all the applicable requirements of 40 CFR 52 and the PSD Permit No. PSD-LA-719. [40 CFR 52.21]

FUG009 15-00, New Amine Unit Fugitives

- 23 When a leak that cannot be repaired on-line and in-place is located, affix to the leaking component a weatherproof and readily visible tag bearing an identification number and the date the leak is located. Date and remove the tag after the leak is repaired. [LAC 33:III.2121.E.1]
24 Shall comply with all the applicable requirements of 40 CFR 60, Subpart GGG which is also considered compliance with LAC 33:III.2121. [PSD-LA-719]. [40 CFR 60.590, LAC 33:III.2121]
25 Shall comply with all the applicable requirements of 40 CFR 60 Subpart QQQ. [40 CFR 60.692(1-7)]

FUG010 16-00, New Sour Water Stripper Unit Fugitives

- 26 Shall comply with all the applicable requirements of 40 CFR 60, Subpart GGG which is also considered compliance with LAC 33:III.2121. [PSD-LA-719]. [40 CFR 60.590, LAC 33:III.2121]
27 Shall comply with all the applicable requirements of 40 CFR 60 Subpart QQQ. [PSD-LA-719]. [40 CFR 60.692(1-7)]

FUG012 Unit 55 Fug., GDU Fugitives

SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060011

Permit Number: 2640-V5

Air - Title V Regular Permit Minor Mod

FUG012 Unit 55 Fug., GDU Fugitives

28 Equip all rotary pumps and compressors with mechanical seals. [LAC 33:III.2111]

29 Monitoring frequency shall be used based on the LA Refinery MACT requirements. Percent leak performance shall be calculated using the provisions of LA Refinery MACT. Annual monitoring shall be defined as once in every four quarters. VOTAP monitored by visual inspection/determination at the approved frequency. [LAC 33:III.Chapter 51]
Which Months: All Year Statistical Basis: Quarterly average
30 Permittee shall comply with the recordkeeping requirements of LA Refinery MACT. VOC, Toxic recordkeeping by manual logging at the approved frequency. [LAC 33:III.Chapter 51]

31 Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. Compliance with LA Refinery MACT Determination of July 26, 1994 under LAC 33:III.5109.A is considered compliance with 40 CFR 63 Subpart CC, 40 CFR 60 Subpart GGG and LAC 33:III.2121. [40 CFR 60.590, 40 CFR 63.640, LAC 33:III.2121]

32 Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]

33 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]

34 Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]

35 Shall comply with all the applicable requirements of 40 CFR 60 Subpart QQQ. [40 CFR 60.692(1-7)]

FUG048 Unit 56 Fug., New Distillate Hydrotreater Fugitives

36 Shall comply with all the applicable requirements of NSPS, Subpart GGG. Compliance with NSPS, Subpart GGG is considered compliance with LAC 33:III.2121. [40 CFR 60.590, 40 CFR 63.640, LAC 33:III.2121]

37 Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]

38 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]

39 Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]

40 Shall comply with all the applicable requirements of NSPS, 40 CFR 60, Subpart QQQ - Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems. [40 CFR 60.692(1-7)]

GRP026 Coker-GDU-NDHT Units

41 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]

42 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]

43 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]

44 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A-5. [LAC 33:III.2113.A]

45 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]

46 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]

47 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]

SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060011

Permit Number: 2640-V5

Air - Title V Regular Permit Minor Mod

GRP026 Coker-GDU-NDHT Units

- 48 Carbon monoxide <= 0.32 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 49 Particulate matter (1.0 microns or less) <= 7.86 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 50 Sulfur dioxide <= 0.14 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 51 VOC, Total <= 85.18 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 52 Ammonia <= 0.59 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 53 Benzene <= 0.35 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 54 Ethyl benzene <= 0.59 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 55 Hydrogen sulfide <= 1.17 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 56 n-Hexane <= 0.55 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 57 Toluene <= 1.91 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 58 Xylene (mixed isomers) <= 2.24 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 59 Nickel (and compounds) <= 0.07 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 60 2,2,4-Trimethylpentane <= 2.02 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 61 Nitrogen oxides <= 1.50 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 62 Permittee shall comply with all the applicable requirements of the Prevention of Significant Deterioration Permit, Permit No. PSD-LA-719 and all the applicable requirements of the Consent Decree
- [LAC 33:III.509, 40 CFR 52.21]
- 63 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
- 64 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
- 65 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 66 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]

SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060011

Permit Number: 2640-V5

Air - Title V Regular Permit Minor Mod

GRP026 Coker-GDU-NDHT Units

- 67 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]
- 68 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 69 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 70 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.2]
- 71 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.3]
- 72 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.i through viii. [LAC 33:III.5107.B.4]
- 73 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 74 Identify each piece of equipment in a process unit subject to this MACT determination such that it can be distinguished readily from equipment that is not subject to this MACT determination, as specified in Subsection C.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 75 VOC, Total monitored by technically sound method at the regulation's specified frequency. Monitor equipment that has been physically removed from service, disassembled or dismantled in the next scheduled monitoring period or within 1 year of placing back in service, whichever occurs first, to determine if it is leaking, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 76 VOC, Total recordkeeping by manual logging at the regulation's specified frequency. Maintain a record of the monitoring in the log required in Subsection Q.5, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 77 Pumps in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly. Monitor to detect leaks by the methods specified in Subsection P.2, except as provided in Subsections C.4, D.4, D.5 and D.6, as specified in Paragraph D.1.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If an instrument reading of 2000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions as specified in Subsection D.3. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060011

Permit Number: 2640-V5

Air - Title V Regular Permit Minor Mod

GRP026 Coker-GDU-NDHT Units

78 Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, monitor within 5 days. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

79 Pumps in light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M₁, as specified in Subsection D.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.5109.A]

80 Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure, or equip with a barrier fluid degassing reservoir that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emissions to the atmosphere, as specified in Paragraph D.4.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

81 Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in VOTAP service and, if the pump is covered by standards under NSPS, is not in VOC service, as specified in Paragraph D.4.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

82 Pumps in light liquid service (dual mechanical seal system): Equip each barrier fluid system with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

83 Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

84 Pumps in light liquid service (dual mechanical seal system): Equipment/operational data monitored by visual inspection/determination daily. Check sensor daily or equip with an audible alarm, as specified in Subparagraph D.4.e.i of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in Paragraph D.4.e.ii, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

85 Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Subparagraph D.4.e.ii of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

86 Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency, as specified in Subparagraph D.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor pump as often as practicable and at least monthly. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

87 Compressors (seal system): VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection E.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor to detect leaks using the methods specified in Section P. If an instrument reading of 5000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

88 Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided for in Subsections C.4, E.9 and E.10, as specified in Subsection E.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060011

Permit Number: 2640-V5

Air - Title V Regular Permit Minor Mod

GRP026 Coker-GDU-NDH Units

- 89 Compressors (seal system): Operate with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure, or equip with a barrier fluid system that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emission to the atmosphere, as specified in Subsection E.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 90 Compressors: Ensure that the barrier fluid is not in VOTAP service and, if the compressor is covered by a standard under NSPS, is not in VOC service, as specified in Subsection E.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 91 Compressors: Equip each barrier fluid system as described in Subsections E.2 through E.4 with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Subsection E.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 92 Compressors: Equipment/operational data monitored by technically sound method daily, as specified in Paragraph E.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Check each sensor as required in Subsection E.5 daily or equip with an audible alarm unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on criterion determined under Paragraph E.6.b, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 93 Compressors: Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Paragraph E.6.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 94 Compressors: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection E.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.5109.A]
- 95 Compressors: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the requirements of Section N, except as provided for in Subsection E.10, as specified in Paragraph E.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections E.1 through E.7. [LAC 33:III.5109.A]
- 96 Compressors (no detectable emissions): Demonstrate that the compressor is operating with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in Subsection P.3, as specified in Paragraph E.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 97 Compressors (no detectable emissions): VOC, Total monitored by the regulation's specified method(s) once initially upon designation, annually, and at other times requested by DEQ, as specified in Paragraph E.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 98 Pressure relief device in gas/vapor service: VOC, Total < 500 ppm except during pressure releases, as measured by the method specified in Section P.3, as specified in Subsection F.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 99 Pressure relief device in gas/vapor service: After each pressure release, return to a condition of no leakage, as indicated by an instrument reading of less than 500 ppm, as soon as practicable, but no later than five calendar days after each pressure release, except as provided in Section F.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 100 Pressure relief device in gas/vapor service: VOC, Total monitored by the regulation's specified method(s) within 5 days (calendar) after the pressure release to confirm the condition of no leakage, as indicated by an instrument reading of less than 500 ppm above background, as specified in Section F.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.3. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060011

Permit Number: 2640-V5

Air - Title V Regular Permit Minor Mod

GRP026 Coker-GDU-NDHT Units

- 101 Sampling connection systems: Equip with a closed-purge system or closed-vent system, except as provided for in Section C, as specified in Subsection G.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Ensure that this system collects or captures the sample purge for return to the process. [LAC 33:III.5109.A]
- 102 Sampling connection systems (closed-purge or closed-vent system): Return the purged process fluid directly to the process line with zero VOTAP emissions to the atmosphere, or collect and recycle the purged process fluid with zero VOTAP emissions to the atmosphere, or be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements of Section N, as specified in Subsection G.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 103 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve that seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line or during maintenance and repair, as specified in Subsection H.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 104 Open-ended valves or lines (equipped with a second valve): Operate in a manner such that the valve on the process fluid end is closed before the second valve is closed, as specified in Subsection H.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 105 Open-ended valves or lines: Monitor and repair in accordance with Section I, as specified in Subsection H.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 106 Valves in gas/vapor service and in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection I.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 1000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection I.3. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 107 Valves in gas/vapor service and in light liquid service (percent leaking valves ≥ 4): VOC, Total monitored by the regulation's specified method(s) monthly, as specified in Subsection I.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Monthly monitoring must be initiated within 60 days of the previous monitoring and must continue until the percent of leaking valves is less than 4, at which time monitoring can be performed in accordance with Subsection I.1. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 108 Valves in gas/vapor service and in light liquid service (percent leaking valves ≤ 2 for two consecutive quarterly leak detection periods): VOC, Total monitored by the regulation's specified method(s) semiannually, as specified in Paragraph J.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 109 Valves in gas/vapor service and in light liquid service (percent leaking valves ≤ 2 for two consecutive semiannual leak detection periods): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Paragraph J.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 110 Valves in gas/vapor service and in light liquid service (using skip period leak detection and repair): Notify DEQ at least 30 days before implementing one of the alternate monitoring scenarios in Section J, as specified in Paragraph J.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060011

Permit Number: 2640-V5

Air - Title V Regular Permit Minor Mod

GRP026 Coker-GDU-NDHT Units

- 111 Valves in gas/vapor service and in light liquid service: Repair leaks as soon as practicable, but no later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection I.3 and I.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.5109.A]
- 112 Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with Subsection I.1, as specified in Subsection I.5.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 113 Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times, as specified in Subsection I.5.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 114 Valves in gas/vapor service and in light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than two meters above a support service, as specified in Subsection I.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 115 Valves in gas/vapor service and in light liquid service (difficult-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve at least once per calendar year, as specified in Subsection I.6.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 116 Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: VOC, Total monitored by the regulation's specified method(s) within 5 days of finding evidence of a potential leak by visual, audible, olfactory, or any other detection method, as specified in Subsection K.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 2000 ppm or greater for pumps or 1000 ppm or greater for valves, connectors, instrument systems, or pressure relief devices is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection K.3. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 117 Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection K.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.5109.A]
- 118 Surge control vessels and bottoms receivers: Equip each surge control vessel and bottoms receiver that is not routed back to the process with a closed-vent system that routes the organic vapors vented from the vessel back to the process or to a control device that complies with the requirements of Section N or to an alternate method of control which has been approved by DEQ, as specified in Section L of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 119 Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible with a process unit shutdown, as specified in Subsection M.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 120 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size: VOC, Total monitored by the regulation's specified method(s) once initially, as specified in Subsections O.1 and O.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If an instrument reading \geq 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified

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- 121 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (percent of leaking connectors ≤ 2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in the same calendar quarter as the previous monitoring. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 122 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (percent of leaking connectors > 2): VOC, Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within three months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P. If an instrument reading ≥ 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 123 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (have been welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P or by testing using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

- Which Months: All Year Statistical Basis: None specified
- 124 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (have been opened or have otherwise had the seal broken): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Monitor for leaks after being returned to VOTAP service during the next scheduled monitoring period, as specified in Paragraph O.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9, unless it is determined to be unrepairable, in which case it is counted as unrepairable. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 125 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 126 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with Subsections O.2 through O.6, as specified in Subsection O.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 127 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method in Section P. [LAC 33:III.5109.A]

- Which Months: All Year Statistical Basis: None specified
- 128 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (inaccessible or glass or glass-lined): Repair leaks as soon as practicable, but no later than 15 calendar days after detecting a leak by visual, audible, olfactory or other means, except as specified in Subsection O.8, as specified in Subsection O.11.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after the leak is detected, as specified in Subsection O.11.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

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- 129 Connectors in gas/vapor service and in liquid service \geq one inch in inside diameter size: Calculate the percent leaking connectors using the equation in Subsection O.12 for use in determining the monitoring frequency, as specified in Subsection O.12 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 130 Comply with the test methods and procedures in Section P, as specified in Subsections P.1 through P.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 131 Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 132 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in Subsections Q.1 through Q.13 as applicable, as specified in Section Q of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 133 Submit statement: Due in writing by 90 days after approval of the Compliance Plan/Certificate of Compliance. Submit the information specified in Subsections R.1 and R.3, as specified in Subsections R.1 and R.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 134 Submit report: Due quarterly starting three months after the initial report required in Subsection R.1. Include the information specified in Paragraphs R.2.a through R.2.e, as specified in Subsection R.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 135 Valves in gas/vapor service and in liquid service (skip period leak detection and repair): Notify DEQ 30 days before implementing any of the alternate provisions of Section J, as specified in Subsection R.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 136 The number of each type of components required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided: A) Changes in components involve routine maintenance or are undertaken to address safety concerns or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves; B) The changes do not involve any associated increase in the production rate or capacity, or tie in of new or modified process equipment other than the piping components; C) Actual emissions following the changes will not exceed the emission limits contained in this permit; and D) The components are promptly incorporated into any applicable leak detection and repair program. [LAC 33:III.5109.A]
- 137 Monitoring frequency shall be used based on the LA Refinery MACT requirements for the Coker Unit and the GDU. Percent leak performance shall be calculated using the provisions of LA Refinery MACT. Annual monitoring shall be defined as once in every four quarters. VOTAP monitored by visual inspection/determination at the approved frequency. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: Quarterly average
- 138 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 139 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B.]
- 140 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]
- 141 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:I.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]
- 142 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 143 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]

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- 144 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 145 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 146 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 147 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 148 Submit certified letter: Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 149 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 150 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 151 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 152 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 153 Submit performance evaluation report: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]
- 154 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 155 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 156 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 157 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 158 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 159 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 160 Submit plan: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]
- 161 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 162 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.5151.F.1.f]

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- 163 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 164 Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 165 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 166 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 167 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]
- 168 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]
- 169 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 170 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]
- 171 Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division. [LAC 33:III.5911.A]
- 172 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]
- 173 Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded. [LAC 33:III.905]
- 174 Provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of emission limits. [LAC 33:III.913]
- 175 Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations. [LAC 33:III.917.A]
- 176 No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety. [LAC 33:III.917.B]
- 177 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 178 Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:1.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:1.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases. [LAC 33:III.927]
- 179 No person or group of persons shall allow particulate matter or gasses to become airborne in amounts which cause the ambient air quality standards to be exceeded. [LAC 33:III.929.A]
- 180 Equip each drain with water seal controls. Subpart QQQ. [40 CFR 60.692-2(a)(1)]

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- 181 Equipment/operational data monitored by visual inspection/determination once initially and monthly thereafter. Monitor drains in active service for indications of low water levels or other conditions that would reduce the effectiveness of the water seal controls. Subpart QQQ. [40 CFR 60.692-2(a)(2)]
Which Months: All Year Statistical Basis: None specified
- 182 Equipment/operational data monitored by visual inspection/determination once initially and weekly thereafter. Monitor drains out of active service for indications of low water levels or other problems that could result in VOC emissions. Subpart QQQ. [40 CFR 60.692-2(a)(3)]
Which Months: All Year Statistical Basis: None specified
- 183 Equipment/operational data monitored by technically sound method once initially and semiannually thereafter. Monitor the tightly sealed cap or plug over a drain that is out of service to ensure cap or plug are in place and properly installed. Subpart QQQ. [40 CFR 60.692-2(a)(4)]
Which Months: All Year Statistical Basis: None specified
- 184 Add water or make first attempts at repair as soon as practicable, but not later than 24 hours after low water levels or missing or improperly installed caps or plugs are detected, except as specified in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(a)(5)]
- 185 Junction boxes: Equip with a cover. Ensure vent pipes are at least 90 cm (3 ft) in length and do not exceed 10.2 cm (4 in) in diameter. Subpart QQQ. [40 CFR 60.692-2(b)(1)]
- 186 Junction boxes: Cover must have a tight seal around the edge and be kept in place at all times, except during inspection and maintenance. Subpart QQQ. [40 CFR 60.692-2(b)(2)]
- 187 Junction boxes: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor to ensure the cover is in place and to ensure that the cover has a tight seal around the edge. Subpart QQQ. [40 CFR 60.692-2(b)(3)]
Which Months: All Year Statistical Basis: None specified
- 188 Junction boxes: Make a first effort at repair as soon as practicable, but not later than 15 calendar days after a broken seal or gap is identified, except as provided in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(b)(4)]
- 189 Sewer lines: Ensure that sewer lines are not open to the atmosphere and are covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart QQQ. [40 CFR 60.692-2(c)(1)]
- 190 Sewer lines: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor the portion of each unburied sewer line for indication of cracks, gaps, or other problems that could result in VOC emissions. Subpart QQQ. [40 CFR 60.692-2(c)(2)]
Which Months: All Year Statistical Basis: None specified
- 191 Sewer lines: Make repairs as soon as practicable, but not later than 15 calendar days after cracks, gaps, or other problems are detected, except as specified in 40 CFR 60.692-6.
Subpart QQQ. [40 CFR 60.692-2(c)(3)]
- 192 Do not route refinery wastewater routed through new drains and a new first common downstream junction box, either as part of a new or existing individual drain system, through a downstream catch basin. Subpart QQQ. [40 CFR 60.692-2(e)]
- 193 Before using any equipment installed in compliance with 40 CFR 60.692-2, 60.692-3, 60.692-4, 60.692-5, or 60.693, inspect such equipment for indication of potential emissions, defects, or other problems that may cause requirements of 40 CFR 60 Subpart QQQ not to be met. Subpart QQQ. [40 CFR 60.696(a)]
- 194 Retain all records required by 40 CFR 60 Subpart QQQ for a period of 2 years after being recorded unless otherwise noted. Subpart QQQ. [40 CFR 60.697(a)]
- 195 Inspection records recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(b)(1) through (b)(3). Subpart QQQ. [40 CFR 60.697(b)]
- 196 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(e)(1) through (e)(4), as applicable. Subpart QQQ. [40 CFR 60.697(e)]
- 197 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 60.697(f)(1) through (f)(3) for the life of the source in a readily accessible location. Subpart QQQ. [40 CFR 60.697(f)]

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- 198 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep plans or specifications which indicate the location of out of active service drains covered by tightly sealed caps or plugs for the life of the facility in a readily accessible location. Subpart QQQ. [40 CFR 60.697(g)]
- 199 Submit Notification: Due within 60 days after initial startup. Submit a certification that the equipment necessary to comply with 40 CFR 60 Subpart QQQ has been installed and that the required initial inspections or tests of process drains, sewer lines, junction boxes, oil-water separators, and closed vent systems and control devices have been carried out in accordance with 40 CFR 60 Subpart QQQ. Thereafter, submit a certification semiannually that all of the required inspections have been carried out in accordance with 40 CFR 60 Subpart QQQ. Subpart QQQ. [40 CFR 60.698(b)(1)]
- 200 Submit report: Due initially and semiannually thereafter. Submit a report that summarizes all inspections when a water seal was dry or otherwise breached, when a drain cap or plug was missing or improperly installed, or when cracks, gaps, or other problems were identified that could result in VOC emissions, including information about the repairs or corrective action taken. Subpart QQQ. [40 CFR 60.698(c)]
- 201 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 202 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]
- 203 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]
- 204 Comply with all applicable provisions of 40 CFR 61 Subpart FF. [40 CFR 61.340]
- 205 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]
- 206 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A. [40 CFR 63]
- 207 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 208 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 209 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(B)
- 210 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 211 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82.Subpart F]